

APPENDIX J

HAZARDOUS MATERIALS (HAZMAT) CERTIFICATION AND MOBILITY PROCEDURES

A. GENERAL

1. HAZMAT requires special attention due to the inherent nature of the items. All personnel involved in the transportation of HAZMAT must be familiar and trained with all laws, regulations, Host Nation (HN) agreements, and other rules affecting the movement of these items.
2. Commanders (CDRs) must ensure that transportation and certification of Arms, Ammunition, and Explosives (AA&E) and all other regulated HAZMAT during deployments, sustainment operations, redeployment, or emergency airlift operations complies with local, state, Department of Transportation, Federal Code of Regulations (CFR), international laws and regulations, International Maritime Dangerous Goods Code (IMDGC), Status of Forces Agreements (SOFA), HN Laws and Department of Defense (DOD) Component regulations. The CDRs may impose more restrictive requirements in addition to HN and International regulations. Within the United States (US) and its territories, the International Air Transportation Association (IATA), International Civil Aviation Organization (ICAO), Title 49 CFR, DOD regulations, and Services directives are the rules. All DOD personnel (military, civilians and contractors) participating in the shipment/movement of regulated HAZMAT must comply with the rules of regulatory bodies governing the safe transportation of HAZMAT for modes of transportation

B. MOVEMENT BY AIRCRAFT

1. Certification Requirements. The deploying unit is responsible for the certification of ammunition, explosives, and other HAZMAT for movement on DOD owned and controlled airlift In Accordance With (IAW) Air Force Manual (AFMAN) 24-204(I), Technical Manual (TM) 38-250, Marine Corps Order (MCO) P4030.19I, Naval Supply (NAVSUP) Pub 505, Defense Logistics Agency Instruction (DLAI) 4145.3, and Defense Contract Management Agency Directive (DCMAD) 1, CH 3.4 (HM24), Preparing Hazardous Materials for Military Air Shipments ([http://www.e-publishing.af.mil/pubfiles/af/24/afman24-204\(i\)/afman24-204\(i\).pdf](http://www.e-publishing.af.mil/pubfiles/af/24/afman24-204(i)/afman24-204(i).pdf)). The Shipper's Declaration for Dangerous Goods, Figure J-1, is used to certify shipments. Table J-1 provides instructions for completing a Shipper's Declaration for Dangerous Goods Form. See Figure J-2 for a completed Shippers Declaration for Dangerous Goods. HAZMAT certifier training requirements are addressed in this regulation, Part II, Chapter 204.
2. Preparation and Packaging Requirements. All ammunition, explosives and other HAZMAT must be prepared and packaged to meet requirements of AFMAN 24-204(I), TM 38-250, MCO P4030.19I, NAVSUP Pub 505, DLAI 4145.3, and DCMAD 1, CH 3.4 (HM24).
 - a. Preparation and packaging must be accomplished by qualified deploying force personnel using the Defense Logistics Agency (DLA) Performance Oriented Packaging Program, DOD Special Packaging Instructions or an approved service drawing, technical publications (e.g., technical order/manual), manufacturer's supplied closing instructions, test reports, or strong outer packaging, when authorized in place of United Nations (UN) specification packaging.

- b. Submit waivers to required packaging through Service inventory control points, Figure J-3. An approved waiver must accompany each shipment. For Outside Continental United States shipments, including tactical and contingency operations, UN performance specification packaging requirements are mandatory and cannot be waived.
 - c. The deploying force will ensure ammunition, explosives, and other HAZMAT transported together is compatible. The deploying force must submit waiver requests through the Service focal point (see this regulation, Part II, Chapter 204) when incompatible items must be shipped together. If the mobility force adjusts aircraft mission loads during departure airfield operations, the mobility force is responsible for waiver request.
3. Chapter 3 Authorization and Use. Based on a validated operational requirement, Chapter 3 of AFMAN 24-204(I), TM 38-250, MCO P4030.19I, NAVSUP Pub 505, DLAI 4145.3, and DCMAD 1, CH 3.4 (HM24) may be used when there is a sustained, immediate, and responsive requirement for movement of personnel and ammunition, explosives and other HAZMAT in an increased state of readiness to, within, or from objective areas.
- a. Chapter 3 identifies procedural exceptions in support of the DOD, Federal agencies, and allies providing sustained, immediate, and responsive air movement, and delivery of personnel and HAZMAT to, within, or from objective areas under tactical, contingency, or emergency conditions. Because of the increased risk to the aircraft; air crew; and customers, these procedural exceptions must only be used when there are validated operational requirements. Chapter 3 does not apply to helicopters being used for insertion or extraction of combat troops to, from, or within a combat area.
 - b. If use of Chapter 3 is not already approved as part of an operation plan, the Service/Major Command having operational control of the deploying force must justify the applicability of Chapter 3 in the airlift request to the United States Transportation Command Deployment Distribution Operations Center.
 - c. Chapter 3 exceptions to preparation and packaging are only allowed for:
 - (1) Unpackaged items prepared IAW airdrop technical directives or when loaded in approved holders/systems of tactical vehicles.
 - (2) Vehicle and equipment fuel-in-tank levels.
 - (3) Incompatible items.
 - (4) Hand carrying of individual assigned basic load.
 - d. Chapter 3 is not authorized for movement of personnel and ammunition, explosives and other HAZMAT on DOD contracted commercial aircraft. Refer to Department of Transportation (DOT) Special Permit (SP)-7573 and DOT SP-9232

4. Exceptions. Exceptions to AFMAN 24-204(I), TM 38-250, MCO P4030.19I, NAVSUP Pub 505, DLAI 4145.3, and DCMAD 1, CH 3.4 (HM24) may be authorized by waivers or Special Permits (SP) for DOD owned and controlled aircraft.
 - a. Waivers. Waivers are exceptions to the packaging or compatibility requirements of AFMAN 24-204(I), TM 38-250, MCO P4030.19I, NAVSUP Pub 505, DLAI 4145.3, and DCMAD 1, CH 3.4 (HM24).
 - (1) Packaging. Submit requests for waivers to UN performance specification packaging requirements through Service inventory control points, Figure J-3. An approved waiver must accompany each shipment. For Outside Continental United States (OCONUS) shipments, including tactical and contingency operations, UN performance specification packaging requirements are mandatory and cannot be waived.
 - (2) Compatibility. The shipper is responsible for obtaining the waiver for incompatible items. Shippers will submit waiver requests through the Service focal point. If the mobility force adjusts aircraft mission loads during departure airfield operations, the mobility force will request waivers for incompatible items.
 - b. Special Permits. See Appendix K for guidance.
5. Mobility Considerations.
 - a. For deployment, sustainment, redeployment, or emergency airlift operations, airlift missions may be validated as meeting AFMAN 24-204(I), TM 38-250, MCO P4030.19I, NAVSUP Pub 505, DLAI 4145.3, and DCMAD 1, CH 3.4 (HM24), Chapter 3, criteria. (Chapter 3 provides special provisions for tactical, contingency, or emergency airlift.) The major command having operational control of the deploying unit justifies the use of Chapter 3 provisions in the airlift request. Transportation Officers (TOs) or Mobility Officers (MOs) must have the Chapter 3 provisions approved by their validating Headquarters (HQs). TOs or MOs will refer to AFMAN 24-204(I), TM 38-250, MCO P4030.19I, NAVSUP Pub 505, DLAI 4145.3, and DCMAD 1, CH 3.4 (HM24) for specific criteria and conditions, to include permissible fuel levels.
 - b. There are several methods to transport individual weapons on DOD controlled aircraft. They can be packaged and stowed as cargo in vehicles, or palletized along with other accompanying cargo. On Civil Reserve Air Fleet aircraft, they will be packaged and carried in the baggage compartment. When determined necessary by the troop CDR, weapons may be hand-carried aboard all aircraft; however, the Air Mobility Command must be notified of the requirement in time to coordinate commercial carriers, foreign governments, and destination geographic CDRs to approve the request. The CDR of the deploying force must notify the troop CDR that the hand carrying of weapons has been authorized. AFMAN 24-204(I), TM 38-250, MCO P4030.19I, NAVSUP Pub 505, DLAI 4145.3, and DCMAD 1, CH 3.4 (HM24), this Regulation, Part I, Passenger Movement, Appendix I, and Part II, Cargo Movement, Appendix S, contains instructions for packaging and certification of ammunition. Crew-served weapons must be stored in the baggage compartment. Individual weapons will be inspected at the foot of the steps prior to boarding to ensure weapon bolts are removed or in the open position with flag safety inserted. The chamber must be empty and magazines will not be affixed to the weapon. The mobility force CDR will notify the aircraft CDR of the requirement to carry loaded weapons for security purposes.

- c. Passengers with weapons and ammunition, moving by non-DOD controlled aircraft, will adhere to the security requirements of the individual air carrier. Troop CDRs, TOs, and MOs are responsible for coordination with the air carrier.
- d. For movement of ammunition and explosives, the unit will coordinate with the aerial port of embarkation for pre-clearances, storage arrangements, and constant surveillance/security arrangements.
- e. Airlift planners must coordinate remote parking availability for the movement of ammunition and explosives with all transiting airfields and the aerial port of debarkation.
- f. For personnel movement under AFMAN 24-204(I), TM 38-250, MCO P4030.19I, NAVSUP Pub 505, DLAI 4145.3, and DCMAD 1, CH 3.4 (HM24), Chapter 3, normal passenger provisions do not apply. Waivers for moving personnel with accompanying mission equipment are not required.
- g. Diversions caused by in-flight cargo leaks are costly and reduce aircraft mission capability. To minimize the opportunity for a fuel leak incident, consider availability of fuel at destination and operational requirements for mission readiness when determining fuel levels and ship with less than the maximum allowable amount. The shipper is responsible for ensuring the maximum allowable fuel-in-tank is not exceeded, the amount of fuel is necessary to meet operational requirements for mission readiness, and the equipment is prepared properly to prevent leakage. Measure fuel quantity on a level surface. The following items are considered fuel leakers and must be drained of fuel IAW AFMAN 24-204(I), TM 38-250, MCO P4030.19I, NAVSUP Pub 505, DLAI 4145.3, and DCMAD 1, CH 3.4 (HM24), Chapter 3 for channel movement. Purging is not required.
 - (1) MA-3 air conditioner.
 - (2) H-1 heater.
 - (3) The USMC River Assault Craft (RAC).
 - (4) All commercial support equipment.
 - (5) The following items are non-leakers:
 - (a) MC-1A and MC-2A compressors. The MC-1A model 2MC-1A, T.O. 34Y1-56-71, CAGE 16004, part number 66950, NSN 4310-01-060-0642 is not considered a leaker and may be shipped with fuel-in-tank according to Chapter 3 of AFMAN 24-204. Identify the item nomenclature on the Shipper's Declaration form as "2MC-1A". Units must stencil "2MC-1A" on the item.
 - (b) The US CBP Mark (MK) Boston Whaler boat/United States Navy Patrol Boat Light (PBL) is not considered a leaker and may be shipped with fuel-in-tank as authorized according to AFMAN 24-204.
 - (6) Fuel may be transported in air eligible containers identified in AFMAN 24-204(I), TM 38-250, MCO P4030.19I, NAVSUP Pub 505, DLAI 4145.3, and DCMAD 1, CH 3.4 (HM24). Activities wishing to challenge a particular piece of equipment must do so through their Service focal point identified in AFMAN 24-204(I), TM 38-250, MCO

P4030.19I, NAVSUP Pub 505, DLAI 4145.3, and DCMAD 1, CH 3.4 (HM24), Paragraph (Para) 1.2.2.

C. MOVEMENT BY HIGHWAY

1. Certification Requirements.

- a. Installations/units will use DD Form 836, Dangerous Goods Shipping Paper/Declaration and Emergency Response Information for Hazardous Materials Transported by Government Vehicles, Figure J-4, as a shipping paper and to provide emergency instructions to drivers when operating on public roads. The emergency response instructions inform a driver on how to protect him/her, cargo, vehicle, and other life and property from fire, accident, or vehicle breakdown. Instructions contained in the Department of Transportation (DOT) Emergency Response Guidebook must be attached, if not contained on the form.
- b. DD Form 626, Motor Vehicle Inspection (Transporting Hazardous Materials), Figure J-8, will be used for inspecting both commercial and government vehicles carrying placarded amounts of HAZMAT on public highways.
- c. Units shipping vehicles/containers loaded with HAZMAT are required to complete a DD Form 2781, Container Packing Certificate or Vehicle Packing Declaration, Figure J-9, if the routing includes a water leg.

2. Exceptions. See Appendix K for guidance.

3. Mobility Considerations.

- a. Drivers carrying HAZMAT shipments must be trained IAW this Regulation, Part II, Chapter 204.
- b. Motor vehicles carrying HAZMAT, IAW this Regulation, Part II, Chapter 204, Para G.1, must be inspected and a DD Form 626 completed prior to transporting munitions and other HAZMAT.
- c. Placards and labels must be affixed IAW 49 CFR, Standardization Agreements, or international directives and regulations.
- d. The DD Form 836 must be annotated with HAZMAT data IAW regulations. Required entries on shipping papers include the following: Proper shipping name, hazard class or division number (and compatibility group for Class 1) and subsidiary hazard class (es) in parentheses after primary hazard, as required; identification number (either UN or NA-US and Canada shipments only); packing group in Roman numerals (I, II, III), as required; total quantity of HAZMAT (Kilograms [KG] or Liters [L]) (for Class 1 materials, Net Explosive Weight [NEW]). Additional required entries include an “RQ” for reportable quantity before the proper shipping name for hazardous substances listed in Table 1 to Appendix A, §172.101, CFR 49; Marine Pollutant if shipment is made by water and the material is listed in Appendix B to §172.101, CFR 49, List of Marine Pollutants; “Poison” or “Toxic” IAW §172.203(m)(1), CFR 49; or “Poison-Inhalation Hazard” and “Zone A”, “Zone B”, “Zone C”, or “Zone D” IAW §172.203(m)(2), CFR 49. Shipping papers must also contain a signed shipper certification and an emergency response telephone number.

- e. Military drivers must receive emergency response instructions and proper reporting procedures for accidents, incidents, or delays en route.
- f. Shipments must be loaded, blocked, and braced IAW 49 CFR and DOD approved specifications.

D. MOVEMENT BY RAIL

1. Certification Requirements.

- a. The deploying unit is responsible for the certifications of ammunition, explosives, and other HAZMAT for rail movement IAW 49 CFR § 174, Division 1.1 or 1.2 (Class A Explosive) Materials, Car Selection, Preparation, Inspection, and Certification.
- b. Units shipping vehicles/containers loaded with HAZMAT are required to complete a DD Form 2781, Figure J-9, if the routing includes a water leg.
- c. Rail movements of HAZMAT will be documented for movement using the DD Form 2890, Multimodal Dangerous Goods Declaration, Figure J-10.

2. Exceptions.

- a. Waivers. The movement of loaded fuel tankers by rail during exercises or deployments is covered by a special approval from the Federal Railroad Administration.
 - (1) When this special approval is used, a copy of the first page (signatures) and the pages showing the tankers/pods on the Bill of Lading must be provided to the Military Surface Deployment and Distribution Command (SDDC) for each move. These will be faxed to SDDC Operations, SDG3-D at Defense Switched Network (DSN): 826-8400 or Commercial: 757 878-8400. SDDC Operations will provide copies to DOT.
 - (2) Any incidents or accidents involving movement of fuel tankers under this approval will be reported immediately to SDDC Operations (Attn: SDG3-D), 757 878-8400, along with a copy of the after action report when prepared. These will be used to share experiences and countermeasures across DOD, and to support future requests for extensions of this special approval.
 - (3) Under the special approval, semi trailer tankers, such as an M969A1, will be shipped empty but not purged. This DOD limitation is in affect because the tie-down points on the vehicle cannot withstand forces resulting from a load of fuel.
 - (4) The unit must provide railroad officials with a copy of the special approval at time of shipment.

- b. SPs. See Appendix K for guidance.

3. Mobility Considerations. To assure safe movement of equipment, units must adhere to SDDC TEA Pamphlet 55-19, Tie-Down Handbook for Rail Movements. Precautions will be taken to protect items from damage or pilferage such as glass windshield or night vision goggles.

E. MOVEMENT BY VESSEL

1. Certification Requirements.

- a. The deploying unit is responsible for the completion of document certifications of ammunition, explosives, and other HAZMAT for movement by cargo vessel, IAW 49 CFR, Part 176, Carriage by Vessel and the International Maritime Dangerous Goods Code. The deploying unit will use the DD Form 2890, Figure J-10, for vessel movement except if using a DD Form 836 from organic highway movement and the equipment and regulated HAZMAT are to be ultimately loaded on a military vessel (e.g., battleship, destroyers, submarines, aircraft carriers) in which case the DD Form 836 can be used as the vessel form. For further information, see this regulation, DTR, Part II, Chapter 204, Para G.
- b. Shippers will use the DD Form 2890, Figure J-10, for shipments of HAZMAT on commercial vessels in international waters IAW guidelines set forth in the IMDGC and not prohibited by 49 CFR, Part 171, Section 171.12 (b), IMDG Code and (c), Use of IMDG Code in Port Areas. This form is commercially available. Complete and sign four copies of the form:
 - (1) One form to be retained by the shipper.
 - (2) Place one form in a waterproof envelope and attach to the number one piece of the shipment.
 - (3) Two forms to be attached to shipping papers. One of which is to be provided for the ship manifest.
 - (4) Additional copies may be forwarded with the shipment.
- c. For containerized shipments, copies of the DD Form 2890, Figure J-10 will be placed in water proof envelopes and attached to the inside and the outside door of the container.
- d. The port will prepare DD Form 2776, Dangerous Cargo Load List, Figure J-11, on all hazardous or dangerous cargo packaged into containers. The copy signed by the vessel master, or a licensed deck officer designated by the master, must be retained in the vessel file.
- e. Units shipping vehicles/containers loaded with HAZMAT by sea are required to complete the DD Form 2781, Figure J-9. The certification/declaration verifies that unit packers have properly blocked, braced, packaged, segregated, and marked vehicles/containers loaded with HAZMAT IAW regulations.

2. Exceptions.

- a. Waivers.
 - (1) CDRs will assign areas of responsibility to a specific Service component command to process waiver requests to DOD explosive safety standards for OCONUS ports.
 - (2) DOD explosive safety waiver requests for Continental United States (CONUS) commercial ports will be processed through the SDDC port manager to the SDDC Operations Center for review and approval.

- (3) DOD explosive waiver requests for CONUS Navy controlled ports will be processed through MSC Area Commands for final approval by the Chief of Naval Operations.

b. SPs. See Appendix K for guidance.

F. MANDATORY TRAINING.

1. All personnel involved with the preparation and shipment of HAZMAT for surface transportation must receive training IAW this regulation, 49 CFR Subpart H, Training Requirements, and DOD Component regulations. Training for military air shipments will be IAW AFMAN 24-204(I), TM 38-250, MCO P4030.19I, NAVSUP Pub 505, DLAI 4145.3, and DCMAD 1, CH 3.4 (HM24).
 - a. Persons who certify HAZMAT on shipping papers by any mode of transportation, military or commercial, with the exception of Technical Specialists (See Para 2), must successfully complete an initial 80-hour HAZMAT certification course from one of the DOD schools listed below:
 - (1) Dean, School of Military Packaging Technology
ATTN: ATSL
360 Lanyard Rd
Aberdeen Proving Grounds, MD 21005-5282
DSN: 298-5185, Commercial: 410 278-5185, Fax: 2176/5143
Web address: <http://smpt.apg.army.mil/>
 - (2) 345th Training Squadron, Transportation Training Flight
345 TRS/TTTH
1000 Seymoyer
Lackland AFB, TX 78236-5404
DSN: 473-4917, Commercial: 210 671-4917
Web address: <https://wwwmil.lackland.af.mil/37TRG/345TRS/index.htm>
 - (3) Navy Supply Corps School
1425 Prince Ave
Athens, GA 30606
DSN: 354-7240/7215, Commercial: 706 354-7240/7215
Web address: <https://www.nscs.cnet.navy.mil/>
 - (4) Department of the Army
Defense Ammunition Center (Training Directorate)
Attn: SJMAC-AST
1C Tree Rd
McAlester, OK 74501-9053
DSN: 956-8931, Commercial: 918 420-8931, Fax: 8944
Web address: <http://www.dac.army.mil/as>
2. Technical specialists are personnel who are trained and qualified to certify specific types of HAZMAT on selected transportation modes as prescribed by each Service. Additionally, technical specialists may certify HAZMAT on DD Form 836 for transportation of HAZMAT in military or government-owned vehicles in support of operations needed to meet daily training and mission readiness requirements (e.g., on-installation training, intra-installation, and local, state, federal roadways transportation of HAZMAT). Successful completion of one of the courses

identified in Para 1.a is not required. However, the technical specialist must meet all other training requirements of this Chapter. This training provision does not qualify technical specialists to certify HAZMAT for commercial air or commercial truck transport.

- a. As a minimum, the technical specialist will be trained in packaging, preparation, marking, labeling, certification, and all other aspects of the governing modal regulation relevant to the specific HAZMAT within the individual's specialty.
 - b. All technical specialist training, including for completion of the shipper's certification, will be conducted by an individual qualified under training IAW Para 1.a.
3. Persons who only certify Hazardous Waste (HW) shipments may satisfy the requirement of Para 2 by successfully completing one of the following courses:
 - a. Hazardous Waste Management and Manifesting Course, offered by:

USACE Professional Development Support Center
ATTN: CEHR-P-RG (Registrar)
Box 1600
Huntsville, AL 35807-4301
DSN: 760-7421, Commercial: 256 895-7421, Fax: 7469
Web address: <http://www.hnd.usace.army.mil/>
 - b. Transportation of Hazardous Material (HM)/HW for DOD, offered by:

DLA Training Center (DTC)
P.O. Box 3990, East Broad Street, Building 11, Section 5
Columbus, OH 43216-5000
DSN: 850-5990, Commercial: 616 692-5990
Toll free: 800 458-7903
Web address: <http://www.dtc.dla.mil/>
4. Medical personnel who manage, package, certify, or prepare laboratory samples and specimens and regulated medical waste only, for transport by any mode, may satisfy this requirement by successfully completing the following course:
 - a. Transport of Biomedical Material Course (Initial and Refresher) offered by:

U.S. Army Center for Health Promotion and Preventive Medicine, (USACHPPM)
5158 Blackhawk Road
Aberdeen Proving Ground, MD 21010-5403
DSN: 584-5228/3651, Commercial: 410 436-5228/3651, Fax: 5237
Toll free: 800 222-9698
Web address: <http://chppm-www.apgea.army.mil/trng/datepage.htm> - Force

Select training conferences for specific course dates and locations. On-site training is available by request through the Web address.
5. DOD drivers transporting HAZMAT over public highways will, as a minimum, receive training on proper vehicle operation, securing loads (blocking and bracing), placarding requirements, vehicle route restrictions, required documentation, actions in the event of an incident or accident,

and emergency notification procedures. Licensing requirements are identified in DOD DTR, Part II, Chapter 204, Para B.3.b.(1).

6. Refresher Training:

- a. All HAZMAT personnel must receive refresher training at 24-month intervals IAW Service/Agency policy. This applies to all levels of required training, to include personnel involved with certifying shipments, preparation, packaging, or handling HAZMAT for transportation. Refresher training for persons who certify HAZMAT and conduct technical specialist training for subordinate personnel must be received from one of the approved schools listed in Para 3 (for HW), or Para 4 (for biomedical materials).
- b. The military or agency focal point may grant a 60-day extension to this policy. For US Air Force personnel, extensions may be granted by the major command focal point. Extensions do not apply to commercial air shipments.

7. Training Records. All training, to include testing, will be documented in personnel training records. Records will be maintained for as long as a person works for the DOD and for 90 days after separation from the DOD. If an individual subsequently moves to another Command/Agency, this training record will be sent to the gaining Command/Agency. This record must indicate the following:

- a. Name of person who received the training.
- b. Date training took place.
- c. A complete description or copy of materials used to train, including title and date of the materials, if a copy is not attached.
- d. The name and address of the person (school facility) providing the training.
- e. Certification statement of completion of training and testing.

8. Testing. Testing will be done IAW 49 CFR, 172.702 (d). The member/employee must successfully pass a written test, and a test record must be maintained in the member's/employee's file for review.

9. Appointment. All personnel signing certification statements on shipping papers must be appointed in writing by the activity or unit CDR or designated representative. The appointment must include the scope of authority and expiration date. A copy of appointment orders will be provided to the TO.

10. Certification. In all cases, the individual who signs the certification statement must personally inspect the HAZMAT item being certified.

G. MULTIPLE MODE HAZMAT SHIPMENTS

1. For shipments by the same mode (e.g., airlift, but using both a commercial and military carrier). Shipments certified to the ICAO, IATA, or 49 CFR may use the same Shipper's Declaration for Dangerous Goods, Figure J-1, for the commercial and military segments of air transport.

However, for shipments that exceed the passenger quantity limitations of the ICAO, IATA, or 49 CFR:

- a. Complete a Shipper's Declaration for Dangerous Goods according to the ICAO, IATA, or 49 CFR for the commercial segment and a separate Shipper's Declaration for Dangerous Goods according to AFMAN 24-204(I), TM 38-250, MCO P4030.19I, NAVSUP Pub 505, DLAI 4145.3, and DCMAD 1, CH 3.4 (HM24) for the military segment.
 - b. Place copies of the Shipper's Declaration for Dangerous Goods needed for subsequent movement in a waterproof envelope on the number one piece of the shipment.
 - c. DOD aerial port personnel will remove the copies of the Shipper's Declaration for Dangerous Goods from the waterproof envelope and obliterate the "cargo aircraft only" label if not required for military transport.
2. Intermodal shipments (e.g., truck movement to an AMC aerial port for subsequent military airlift) must be accompanied by 49 CFR § 172.202, Description of Hazardous Material on Shipping Papers, 172.203, Additional Description Requirements, and 172.204, Shipper's Certification compliant shipping papers for the truck movement and a Shipper's Declaration for Dangerous Goods for the military airlift movement. Similarly, a truck or rail movement to a water port would require shipping papers (a shipping order, bill of lading, manifest or other shipping document serving a similar purpose) and containing the information required by 49 CFR §172.202, 172.203 and 172.204 and for the ocean movement portion of the movement, shipping papers containing the IMDG code information required by 49 CFR.

SHIPPER'S DECLARATION FOR DANGEROUS GOODS						
SHIPPER Key 1 PHONE NUMBER DSN:				AIR WAYBILL NO. Key 3 PAGE OF PAGES Key 4 SHIPPER'S REFERENCE NUMBER Key 5 ICN:		
CONSIGNEE Key 2				Key 6		
TWO COMPLETED AND SIGNED COPIES OF THIS DECLARATION MUST BE HANDED TO THE OPERATOR.				WARNING Failure to comply in all respects with applicable Hazardous Materials/Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.		
TRANSPORTATION DETAILS						
THIS SHIPMENT IS WITHIN THE LIMITATIONS PRESCRIBED FOR: (DELETE NON-APPLICABLE) Key 7				AIRPORT OF DEPARTURE Key 8		
<input type="checkbox"/> PASSENGER AND CARGO AIRCRAFT <input type="checkbox"/> CARGO AIRCRAFT ONLY				SHIPMENT TYPE: (DELETE NON-APPLICABLE) Key 10 <input type="checkbox"/> NON-RADIOACTIVE <input type="checkbox"/> RADIOACTIVE		
AIRPORT OF DESTINATION Key 9						
NATURE AND QUANTITY OF DANGEROUS GOODS						
DANGEROUS GOODS IDENTIFICATION				QUANTITY AND TYPE OF PACKING	PACKING INSTRUCTIONS	AUTHORIZATION
UN or ID NO.	PROPER SHIPPING NAME	CLASS or DIVISION (SUBSIDIARY RISK)	PACKING GROUP			
Key 11	Key 12	Key 13/14	Key 15	Key 16	Key 17	Key 18
ADDITIONAL HANDLING INFORMATION Key 19 EMERGENCY TELEPHONE NUMBER:						
I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, and are classified, packaged, marked, and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national government regulations. I declare that all of the applicable air transport requirements have been met.				NAME/TITLE OF SIGNATORY Key 20		
				PLACE AND DATE Key 21		
				SIGNATURE (SEE WARNING ABOVE) Key 22		

Figure J-1. Shipper's Declaration for Dangerous Goods

SHIPPER'S DECLARATION FOR DANGEROUS GOODS						
SHIPPER TRAFFIC MANAGEMENT FLIGHT 5236 CHASE ST WRIGHT PATTERSON AFB OH 45433-5501 PHONE NUMBER: (793)257-4409				AIRWAYBILL NO. PAGE 1 OF 1 PAGES SHIPPER'S REFERENCE NUMBER ICN: FB230061809001XXX		
CONSIGNEE FB 5612 435 ABW LRS RAMSTEIN AB, GERMANY						
TWO COMPLETED AND SIGNED COPIES OF THIS DECLARATION MUST BE HANDED TO THE OPERATOR.				WARNING Failure to comply in all respects with applicable Hazardous Materials/Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.		
TRANSPORTATION DETAILS				SHIPMENT TYPE: [DELETE NON-APPLICABLE]		
THIS SHIPMENT IS WITHIN THE LIMITATIONS PRESCRIBED FOR: [DELETE NON-APPLICABLE]		AIRPORT OF DEPARTURE DOV DOVER AFB, DE		NON-RADIOACTIVE		
AIRPORT OF DESTINATION RAMSTEIN AB, GERMANY		XXXXXXXXXXXXXX XXXXXXXXXXXXXX		XXXXXXXXXXXXXX		
NATURE AND QUANTITY OF DANGEROUS GOODS						
DANGEROUS GOODS IDENTIFICATION				QUANTITY AND TYPE of PACKING	PACKING INSTRUCTIONS	AUTHORIZATION
UN or ID NO.	PROPER SHIPPING NAME	CLASS or DIVISION (SUBSIDIARY RISK)	PACKING GROUP			
UN3166	ENGINES, INTERNAL COMBUSTION	9		1 DIESEL GENERATOR	A13.5	
ADDITIONAL HANDLING INFORMATION DIESEL FUEL, 3,500 ML BATTERY, WET FILLED WITH ACID, 8.5 LITERS						
EMERGENCY TELEPHONE NUMBER: 1-800-851-8061/804-279-3131						
I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, and are classified, packaged, marked, and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national government regulations. I declare that all of the applicable air transport requirements have been met.				NAME/TITLE OF SIGNATORY Alex Lucent Warehouse Supervisor PLACE AND DATE WP AFB, OH. 45433 SIGNATURE (SEE WARNING ABOVE)		
				3 Jan 2007		

Figure J-2. Completed Shipper's Declaration for Dangerous Goods

INVENTORY CONTROL POINTS		
<u>AGENCY</u>	<u>DSN TELEPHONE</u>	<u>DSN FAX</u>
AIR FORCE		
OC-ALC/LGITL 7701 Arnold Street, Room 112 Tinker AFB OK 73145-8912	339-3544	339-7265
OO-ALC/LGMTTP 7973 Utility Drive, Bldg 1135 Hill AFB UT 84056-5306	777-4995	777-5921
WR-ALC/LGMTT 375 Perry Street, Building 255 Robins AFB GA 31098-1863	468-3888	468-3048
ARMY		
TACOM/ARDEC	793-6164	793-8204
CECOM (AMSEL-LC-LEO-E)	992-2616	992-8759
AMCOM (AMSAM-MMC-MM-DP)	746-2526	788-2521
TACOM (AMSTA-LC-LEAP)	786-5286	786-7788
DLA		
DLA Customer Support Network	877 352-2255	
DSCC-VSP (RIC S9C and S9E)	850-8774	850-1901
DSCP-ITD (S9I - General and Industrial)	444-3776	444-7500
DSCR-RZS (S9G)	695-4454	695-4392
DSCP-MSCBP (S9M - Medical)	444-4189	444-8139
DSCP-HROS (S9S - Subsistence)	444-5353	444-9043
DSCP-CNC (S9T – Clothing and Textiles)	444-2446	444-8143
DESC-DO	800 268-7633	
MARINE CORPS		
MCLB Albany GA (CODE 581)	567-6786	567-5505
NAVY		
NAVICP (CODE P0771)	442-2183	442-4965
NAVICP (CODE M0772.30),	430-2784	430-3480
NAVAMMOLOGCEN (CODE 4318)	430-3142	430-8603
NOLC-San Diego, CA	735-8506	735-8505

Figure J-3. Inventory Control Points

HAZMAT // HAZMAT // HAZMAT // HAZMAT // HAZMAT // HAZMAT

DANGEROUS GOODS SHIPPING PAPER/DECLARATION AND EMERGENCY RESPONSE INFORMATION FOR HAZARDOUS MATERIALS TRANSPORTED BY GOVERNMENT VEHICLES								
1. a. NOMENCLATURE: b. MODEL NO.: c. BUMPER NO.:				d. CONTAINER SEAL NO.: e. SERIAL NO.: f. TCN NUMBER:				
2. SHIPPER NAME/ADDRESS/TELEPHONE NO./DATE OF PREPARATION								3. PAGE _____ OF _____ PAGES
4. CARGO (To be completed by the unit or shipper Transportation Office (TO))								
PROPER SHIPPING NAME (Include RQ, Technical Names, Additional Information per 49 CFR 172.203, as required.) a.	HAZARD CLASS/ DIVISION b.	SUBSIDIARY HAZARD c.	UNID NUMBER d.	PACKING GROUP (PG) e.	PACKAGES NUMBER f. KIND g.		TOTAL NET QUANTITY h.	TOTAL AMMO (NEW) i.
5. CONSIGNEE NAME								
6. REMARKS								
7. a. COPY OF EMERGENCY RESPONSE GUIDE NUMBER(S)								
b. EMERGENCY NOTIFICATION. In all cases of accident, breakdown or fire, promptly call emergency assistance telephone number(s) in Item 7c below and then shipper and/or consignee in Item 2 above, in that order.								
c. 24-HOUR EMERGENCY ASSISTANCE TELEPHONE NUMBERS:								
DOD NON-EXPLOSIVE HAZMAT: 1-800-861-8061 1-804-279-3131 (FOR CALLS FROM SHIPS AT SEA)	DOD HAZ CLASS 1 (EXPLOSIVES) ONLY: (703) 697-0218 or 0219 (COLLECT) OR DSN 227-0218 (WATCH OFFICER)	CHEMICAL/BIOLOGICAL WARFARE MATERIAL DUTY HOURS: DSN 584-3044, 584-7211, 584-6455, Comm. (410) 436-3044, (410) 436-7211, (410) 436-6455 AFTER DUTY HOURS: DSN 584-2146, Comm. (410) 436-2146 (Ask for TEU SS)	SECURE HOLDING: 1-800-524-0331 OIL AND CHEMICAL SPILLS: NATIONAL RESPONSE CENTER (NRC) AND TERRORIST HOTLINE: 1-800-424-8802 AT SEA: 202-267-2675 (COLLECT)	DOD RADIOACTIVE MATERIALS: ARMY: (703) 697-0218 (COLLECT) USAF: (202) 767-4011 (COLLECT) USNMC: Use 24-hour emergency response phone number provided by USNMC activity initiating shipment. DLA: 1-800-861-8061 (AT SEA: (804) 279-3131)				
8. SHIPPER'S CERTIFICATION This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the regulations of the Department of Transportation.								
a. TYPE OR PRINT NAME OF SHIPPER CERTIFIER				c. SIGNATURE(S) OF VEHICLE OPERATOR(S)				
b. SIGNATURE OF SHIPPER CERTIFIER AND DATE								

DD FORM 836, OCT 2006

PREVIOUS EDITION IS OBSOLETE.

Form/Plan/Adobe Professional 7.0

HAZMAT // HAZMAT // HAZMAT // HAZMAT // HAZMAT // HAZMAT

Figure J-4. DD Form 836, Dangerous Goods Shipping Paper/Declaration and Emergency Response Information for Hazardous Materials Transported by Government Vehicles

HAZMAT INST // HAZMAT INST // HAZMAT INST // HAZMAT INST

INSTRUCTIONS FOR COMPLETING DD FORM 836, DANGEROUS GOODS SHIPPING PAPER/DECLARATION AND EMERGENCY RESPONSE INFORMATION FOR HAZARDOUS MATERIALS TRANSPORTED BY GOVERNMENT VEHICLES	
<p>GENERAL</p> <p>DD Form 836 will be completed by a qualified* individual from a transportation office, unit or other organization offering Hazardous Material (HAZMAT) for transportation in areas accessible to the general public.</p> <p>*An individual is considered qualified to complete and sign (certify) DD Form 836, only after having satisfactorily completed either a DOD authorized HAZMAT Course from one of the DOD-approved schools listed in the Defense Transportation Regulation (DTR) or military technical specialist training in accordance with the DTR, Chapter 204, Paragraph D. This person will be appointed in writing by the activity or unit commander, to include scope of authority and expiration date of training.</p> <p>Item 1. Fill in the nomenclature, model number, TCN, and bumper number/serial number of the vehicle/container. For containers carrying sensitive or classified items, the container security seal is required.</p> <p>Item 2. Enter the shipper's address and telephone number of the HAZMAT origination and date of preparation. Telephone number is for NOTIFICATION PURPOSES ONLY. Emergency assistance will be obtained from the 24-HOUR EMERGENCY ASSISTANCE TELEPHONE NUMBER(S) in Item 7c. on the first page of this form.</p> <p>Item 3. Self-explanatory.</p> <p>Item 4a. Enter the proper shipping name of the HAZMAT and if applicable include the technical name. (Enter additional information as required by 49 CFR, 172.203 - Example: RQ, Inhalation Hazard.) NOTE: In the case of multiple HAZMAT items on the same form with different emergency response telephone numbers, each phone number will be annotated below or adjacent to the HAZMAT item to which they apply.</p> <p>Item 4b. Enter the Hazard class/division and, if applicable, the Compatibility Group.</p> <p>Item 4c. Enter the subsidiary hazard of the material if applicable.</p> <p>Item 4d. Enter the identification numbers, e.g., NA, UN. The letters "UN" or "NA" must be noted. "NA" may not be used for OCONUS.</p> <p>Item 4e. Enter the packing group (e.g. I, II, or III) of the HAZMAT.</p> <p>Item 4f. Enter the total number of packages/items.</p> <p>Item 4g. Enter the type of packaging (e.g., container, box, drum, pallet), the HAZMAT is packed in.</p> <p>Item 4h. Enter the total net quantity for non-explosive material in metric measure. US measure may be added in parentheses underneath the metric measure. For ammunition, enter the total number of rounds/articles. Exception: Net total quantity is not required for bulk packages, empty packages, and cylinders of Class 2.</p>	<p>Item 4i. Enter total Net Explosive Weight (NEW) in kilograms for ammunition/ explosive (Class 1 items). NEW information is found in the Joint Hazard Classification System (JHCS) in the entry for the NEW (Transportation Quantity). Example: 27.231 kg.</p> <p>Item 5. Enter the six digit Department of Defense Activity Address Codes (DODAAC) and/or the clear geographical location of the ultimate consignee of the HAZMAT shipment. If this is a unit move, the unit name will be the same as that for Item 2.) Additional information if needed can be annotated in Item 6.</p> <p>Item 6. Additional handling instructions/information.</p> <p>Item 7a. Enter Emergency Response Guide Number.</p> <p>Item 7b. Self-explanatory. Call 24-hour Emergency Response number(s) circled in Item 7c first and then shipper.</p> <p>Item 7c. Circle emergency response telephone number. NOTE: For Radioactive Material Shipments only: Circle numbers and cross out those numbers that do not apply, e.g., Army shipments - cross out all but Army's radioactive response number.</p> <p>Item 8. Certifying person must type or print name legibly in 8a. and must sign in writing (longhand) and add the date signed in 8b.</p> <p>Item 8c. Self explanatory.</p> <p>NOTES:</p> <p>1. Units returning from firing range must have a certified or qualified person to ensure that all HAZMAT is properly repackaged and secured (i.e. braced, blocked, and tied down) prior to being transported back to base. See exception below.</p> <p>2. Completion of a new DD Form 836 is not required. Original DD Form 836 may be used provided that:</p> <p>a. Change Item 2 (Date Prepared).</p> <p>b. Change Item 4. (Cargo):</p> <p>(i) HAZMAT used will be deleted from form by crossing out or lining through.</p> <p>(ii) HAZMAT that remains, but is in different quantities, will have the correct amounts entered in the section(s).</p> <p>EXCEPTION:</p> <p>c. Change Item 8b.:</p> <p>(i) A qualified individual (if available) must sign in writing (longhand). If a qualified individual is not available, then the Officer-In-Charge (OIC) or Non-Commissioned Officer-In-Charge (NCOIC) must sign in writing (longhand) to verify that the above procedures have been performed for the return trip to base.</p> <p>(ii) Cross out original signature if different certifier will be used.</p>

DD FORM 836 (BACK), OCT 2006

HAZMAT INST // HAZMAT INST // HAZMAT INST // HAZMAT INST

Figure J-4. DD Form 836, Dangerous Goods Shipping Paper/Declaration and Emergency Response Information for Hazardous Materials Transported by Government Vehicles (Cont'd)

GUIDE 112 EXPLOSIVES* - DIVISION 1.1, 1.2, 1.3, 1.5 OR 1.6; CLASS A OR B	
POTENTIAL HAZARDS	
FIRE OR EXPLOSIVE	<ul style="list-style-type: none"> • MAY EXPLODE AND THROW FRAGMENTS 500 meters (1/3 MILE) OR MORE IF FIRE REACHES CARGO. • *For information on “Compatibility Group” letters, refer to Glossary section.
HEALTH	<ul style="list-style-type: none"> • Fire may produce irritating, corrosive and/or toxic gases.
PUBLIC SAFETY	
	<ul style="list-style-type: none"> • CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover. • Isolate spill or leak area immediately for at least 500 meters (1/3 mile) in all directions. • Move people out of line of sight of the scene and away from windows. • Keep unauthorized personnel away • Stay upwind • Ventilate closed spaces before entering.
PROTECTIVE CLOTHING	<ul style="list-style-type: none"> • Wear positive pressure self-contained breathing apparatus (SCBA). • Structural firefighters' protective clothing will only provide limited protection.
EVACUATION	
Large Spill	<ul style="list-style-type: none"> • Consider initial evacuation for 800 meters (1/2 mile) in all directions.
Fire	<ul style="list-style-type: none"> • If rail car or trailer is involved in a fire and heavily encased explosives such as bombs or artillery projectiles are suspected, ISOLATE for 1600 m (1 mile) in all directions; also, initiate evacuation including emergency responders for 1600 m (1 mile). • When heavily encased explosives are not involved, evacuate the area for 800 meters (1/2 mile) in all directions.
EMERGENCY RESPONSE	
FIRE	
CARGO Fires	<ul style="list-style-type: none"> • DO NOT fight fire when fire reaches cargo! Cargo may EXPLODE! • Stop all traffic and clear the area for at least 1600 meters (1 mile) in all directions and let burn. • Do not move cargo or vehicle if cargo has been exposed to heat.
TIRE or VEHICLE Fires	<ul style="list-style-type: none"> • Use plenty of water – FLOOD it! If water is not available, use CO2, dry chemical or dirt. • If possible, and WITHOUT RISK, use unmanned hose holders or monitor nozzles from maximum distance to prevent fire from spreading to cargo area. • Pay special attention to tire fires as re-ignition may occur. Stand by with extinguisher ready.
SPILL OR LEAK	<ul style="list-style-type: none"> • ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). • All equipment used when handling the product must be grounded. • Do not touch or walk through spilled material • DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 meters (330 feet) of ELECTRIC DETONATORS. • DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.
FIRST AID	<ul style="list-style-type: none"> • Move victim to fresh air. • Call 911 or emergency medical service. • Apply artificial respiration if victim is not breathing. • Administer oxygen if breathing is difficult. • Remove and isolate contaminated clothing and shoes. • In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. • Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Figure J-5. Guide 112 (Explosives* - Division 1.1, 1.2, 1.3, 1.5 or 1.6; Class A or B)

GUIDE 114 EXPLOSIVES* - DIVISION 1.4; CLASS C	
POTENTIAL HAZARDS	
FIRE OR EXPLOSIVE	<ul style="list-style-type: none"> MAY EXPLODE AND THROW FRAGMENTS 500 meters (1/3 MILE) OR MORE IF FIRE REACHES CARGO. *For information on “Compatibility Group” letters, refer to Glossary section.
HEALTH	<ul style="list-style-type: none"> Fire may produce irritating, corrosive and/or toxic gases.
PUBLIC SAFETY	
	<ul style="list-style-type: none"> CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover. Isolate spill or leak area immediately for at least 100 meters (330 feet) in all directions. Move people out of line of sight of the scene and away from windows. Keep unauthorized personnel away Stay upwind Ventilate closed spaces before entering.
PROTECTIVE CLOTHING	<ul style="list-style-type: none"> Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
EVACUATION	
Large Spill	
Fire	<ul style="list-style-type: none"> Consider initial evacuation for 250 meters (800 feet) in all directions. If rail car or trailer is involved in a fire, ISOLATE for 500 meters (1/3 mile) in all directions; also initiate evacuation including emergency responders for 500 meters (1/3 mile) in all directions.
EMERGENCY RESPONSE	
FIRE	
CARGO Fires	<ul style="list-style-type: none"> DO NOT fight fire when fire reaches cargo! Cargo may EXPLODE! Stop all traffic and clear the area for at least 500 meters (1/3 mile) in all directions and let burn. Do not move cargo or vehicle if cargo has been exposed to heat.
TIRE or VEHICLE Fires	<ul style="list-style-type: none"> Use plenty of water – FLOOD it! If water is not available, use CO2, dry chemical or dirt. If possible, and WITHOUT RISK, use unmanned hose holders or monitor nozzles from maximum distance to prevent fire from spreading to cargo area. Pay special attention to tire fires as re-ignition may occur. Stand by with extinguisher ready.
SPILL OR LEAK	<ul style="list-style-type: none"> ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 meters (330 feet) of ELECTRIC DETONATORS. DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.
FIRST AID	<ul style="list-style-type: none"> Move victim to fresh air. Call 911 or emergency medical service. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Packages bearing the 1.4S label or packages containing material classified as 1.4S are designed or packaged in such a manner that when involved in a fire, may burn vigorously with localized detonations and projection of fragments. Effects are usually confined to immediate vicinity of packages. If fire threatens cargo area containing packages bearing the 1.4S label or packages containing material classified as 1.4S, consider isolating at least 15 meters (50 feet) in all directions. Fight fire with normal precautions from a reasonable distance.

Figure J-6. Guide 114 (Explosives* - Division 1.4; Class C)

GUIDE 138 SUBSTANCES – WATER-REACTIVE (Emitting Flammable Gases)	
POTENTIAL HAZARDS	
FIRE OR EXPLOSIVE	<ul style="list-style-type: none"> Produce flammable gases on contact with water. May ignite on contact with water or moist air. Some react vigorously or explosively on contact with water. May be ignited by heat, sparks or flames. May re-ignite after fire is extinguished. Some are transported in highly flammable liquids. Runoff may create fire or explosive hazard.
HEALTH	<ul style="list-style-type: none"> Inhalation or contact with vapors, substance, or decomposition products may cause severe injury or death. May produce corrosive solutions on contact with water. Fire will produce irritating, corrosive and/or toxic gases. Runoff from fire control may cause pollution.
PUBLIC SAFETY	
	<ul style="list-style-type: none"> CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover. Isolate spill or leak area immediately for at least 50 to 100 meters (160 to 330 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate the area before entry.
PROTECTIVE CLOTHING	<ul style="list-style-type: none"> Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
EVACUATION	
Large Spill	<ul style="list-style-type: none"> Consider initial downwind evacuation for at least 250 meters (800 feet).
Fire	<ul style="list-style-type: none"> If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.
EMERGENCY RESPONSE	
FIRE	
Small Fires	<ul style="list-style-type: none"> DO NOT USE WATER OR FOAM.
Large Fires	<ul style="list-style-type: none"> Dry chemical, soda ash, lime or sand.
Magnesium Fires	<ul style="list-style-type: none"> DRY sand, dry chemical, soda ash or lime or withdraw from area and let fire burn. Move containers from fire area if you can do it without risk.
Lithium Fires	<ul style="list-style-type: none"> DRY sand, sodium chloride powder, graphite powder or Met-L-X? powder.
Fire involving Tanks or Car/Trailer Loads	<ul style="list-style-type: none"> DRY sand, sodium chloride powder, graphite powder, copper powder or Lith-X? powder. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Do not get water inside containers. Cool containers with flooding quantities of water until well after fire is out. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. ALWAYS stay away from tanks engulfed in fire.
SPILL OR LEAK	
	<ul style="list-style-type: none"> ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material Stop leak if you can do it without risk. Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material DO NOT GET WATER on spilled substance or inside containers.
Small Spills	<ul style="list-style-type: none"> Cover with DRY earth, DRY sand, or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain. Dike for later disposal; do not apply water unless directed to do so.
Powder Spills	<ul style="list-style-type: none"> Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.
FIRST AID	
	<ul style="list-style-type: none"> Move victim to fresh air. Call 911 or emergency medical service. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Remove and isolate contaminated clothing and shoes. In case of contact with substance, wipe from skin immediately; flush skin or eyes with running water for at least 20 minutes. Keep victim warm and quiet. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Figure J-7. Guide 138 (Substances – Water-Reactive)

MOTOR VEHICLE INSPECTION (TRANSPORTING HAZARDOUS MATERIALS)											
<i>(Read Instructions before completing this form.)</i>											
This form applies to all vehicles which must be marked or placarded in accordance with Title 49 CFR.						1. BILL OF LADING/TRANSPORTATION CONTROL NUMBER					
SECTION 1 - DOCUMENTATION				ORIGIN a.				DESTINATION b.			
2. CARRIER/GOVERNMENT ORGANIZATION											
3. DATE/TIME OF INSPECTION											
4. LOCATION OF INSPECTION											
5. OPERATOR(S) NAME(S)											
6. OPERATOR(S) LICENSE NUMBER(S)											
7. MEDICAL EXAMINER'S CERTIFICATE*											
8. <i>(X if satisfactory at origin)</i>								9. CVSA DECAL DISPLAYED ON COMMERCIAL EQUIPMENT*			
a. MILITARY HAZMAT ENDORSEMENT				d. ERG OR EQUIVALENT COMMERCIAL:		YES		NO			
b. VALID LEASE*				e. DRIVER'S VEHICLE INSPECTION REPORT*				a. TRUCK/TRACTOR		YES NO	
c. ROUTE PLAN				f. COPY OF 49 CFR PART 397				b. TRAILER		YES NO	
SECTION II - MECHANICAL INSPECTION											
<i>All items shall be checked on empty equipment prior to loading. Items with an asterisk shall be checked on all incoming loaded equipment.</i>											
10. TYPE OF VEHICLE(S)						11. VEHICLE NUMBER(S)					
12. PART INSPECTED <i>(X as applicable)</i>		ORIGIN (1)		DESTINATION (2)		ORIGIN (1)		DESTINATION (2)		COMMENTS (3)	
		SAT UNSAT		SAT UNSAT		SAT UNSAT		SAT UNSAT			
a. SPARE ELECTRICAL FUSES						k. EXHAUST SYSTEM					
b. HORN OPERATIVE						l. BRAKE SYSTEM*					
c. STEERING SYSTEM						m. SUSPENSION					
d. WINDSHIELD/WIPERS						n. COUPLING DEVICES					
e. MIRRORS						o. CARGO SPACE					
f. WARNING EQUIPMENT						p. LANDING GEAR*					
g. FIRE EXTINGUISHER*						q. TIRES, WHEELS, RIMS					
h. ELECTRICAL WIRING						r. TAILGATE/DOORS*					
i. LIGHTS AND REFLECTORS						s. TARPULIN*					
j. FUEL SYSTEM*						t. OTHER <i>(Specify)</i>					
13. INSPECTION RESULTS <i>(X one)</i> ACCEPTED						REJECTED					
<i>(If rejected give reason under "Remarks". Equipment will be approved if deficiencies are corrected prior to loading.)</i>											
14. SATELLITE MOTOR SURVEILLANCE SYSTEM: <i>(X one)</i> ACCEPTED						REJECTED					
15. REMARKS											
16. INSPECTOR SIGNATURE <i>(Origin)</i>						17. INSPECTOR SIGNATURE <i>(Destination)</i>					
SECTION III - POST LOADING INSPECTION											
<i>This section applies to Commercial and Government/Military vehicles. All items will be checked prior to release of loaded equipment and shall be checked on all incoming loaded equipment.</i>						ORIGIN (1)		DESTINATION (2)		COMMENTS (3)	
						SAT UNSAT		SAT UNSAT			
18. LOADED IAW APPLICABLE SEGREGATION/COMPATIBILITY TABLE OF 49 CFR											
19. LOAD PROPERLY SECURED TO PREVENT MOVEMENT											
20. SEALS APPLIED TO CLOSED VEHICLE; TARPULIN APPLIED ON OPEN EQUIPMENT											
21. PROPER PLACARDS APPLIED											
22. SHIPPING PAPERS/DD FORM 836 FOR GOVERNMENT VEHICLE SHIPMENTS											
23. COPY OF DD FORM 626 FOR DRIVER											
24. SHIPPED UNDER DOT SPECIAL PERMIT 868											
25. INSPECTOR SIGNATURE <i>(Origin)</i>						26. DRIVER(S) SIGNATURE <i>(Origin)</i>					
27. INSPECTOR SIGNATURE <i>(Destination)</i>						28. DRIVER(S) SIGNATURE <i>(Destination)</i>					

Figure J-8. DD Form 626, Motor Vehicle Inspection (Transporting Hazardous Materials)

INSTRUCTIONS	
<p>SECTION I - DOCUMENTATION</p> <p>General Instructions.</p> <p>All items (2 through 9) will be checked at origin prior to loading. Items with an asterisk (*) apply to commercial operators or equipment only. Only Items 2 through 7 are required to be checked at destination.</p> <p>Items 1 through 5. Self explanatory.</p> <p>Item 6. Enter operator's Commercial Driver's License (CDL) number or Military OF-346 License Number. CDL and OF-346 must have the HAZMAT and other appropriate endorsements IAW 49 CFR 383.</p> <p>Item 7. *Enter the expiration date listed on the Medical Examiner's Certificate.</p> <p>Item 8.a. APPLIES TO MILITARY OPERATORS ONLY. Military Hazardous Materials Certification. In accordance with applicable service regulations, ensure operator has been certified to transport hazardous materials.</p> <p>b. *Valid Lease. Shipper will ensure a copy of the appropriate contract or lease is carried in all leased vehicles and is available for inspection. (49 CFR 376.12 and 376.11(c)(2)).</p> <p>c. Route Plan. Prior to loading any Hazard Class/Division 1.1, 1.2, or 1.3 (Explosives) for shipment, ensure that the operator possesses a written route plan in accordance with 49 CFR Part 397. Route Plan requirements for Hazard Class 7 (Radioactive) materials are found in 49 CFR 397.101.</p> <p>d. Emergency Response Guidebook (ERG) or Equivalent. Commercial operators must be in possession of an ERG or equivalent document. Shipper will provide applicable ERG page(s) to military operators.</p> <p>e. *Driver's Vehicle Inspection Report. Review the operator's Vehicle Inspection Report. Ensure that there are no defects listed on the report that would affect the safe operation of the vehicle.</p> <p>f. Copy of 49 CFR Part 397. Operators are required by regulation to have in their possession a copy of 49 CFR Part 397 (Transportation of Hazardous Materials Driving and Parking Rules). If military operators do not possess this document, shipper will provide a copy to operator.</p> <p>Item 9. *Commercial Vehicle Safety Alliance (CVSA) Decal. Check to see if equipment has a current CVSA decal and mark applicable box. Vehicles without CVSA, check documentation of the last vehicle periodic inspection and perform DD Form 626 inspection.</p> <p>SECTION II - MECHANICAL INSPECTION</p> <p>General Instructions.</p> <p>All items (12.a. through 12.t.) will be checked on all incoming empty equipment prior to loading. All UNSATISFACTORY conditions must be corrected prior to loading. Items with an asterisk (*) shall be checked on all incoming loaded equipment. Unsatisfactory conditions that would affect the safe off-loading of the equipment must be corrected prior to unloading.</p>	<p>SECTION II (Continued)</p> <p>Item 12.a. Spare Electrical Fuses. Check to ensure that at least one spare fuse for each type of installed fuse is carried on the vehicle as a spare or vehicle is equipped with an overload protection device (circuit breaker). (49 CFR 393.95)</p> <p>b. Horn Operative. Ensure that horn is securely mounted and of sufficient volume to serve purpose. (49 CFR 393.81)</p> <p>c. Steering System. The steering wheel shall be secure and must not have any spokes cracked through or missing. The steering column must be securely fastened. Universal joints shall not be worn, faulty or repaired by welding. The steering gear box shall not have loose or missing mounting bolts or cracks in the gear box mounting brackets. The pitman arm on the steering gear output shaft shall not be loose. Steering wheel shall turn freely through the limit of travel in both directions. All components of a power steering system must be in operating condition. No parts shall be loose or broken. Belts shall not be frayed, cracked or slipping. The power steering system shall not be leaking. (49 CFR 396 Appendix G)</p> <p>d. Windshield/Wipers. Inspect to ensure that windshield is free from breaks, cracks or defects that would make operation of the vehicle unsafe; that the view of the driver is not obscured and that the windshield wipers are operational and wiper blades are in serviceable condition. Defroster must be operative when conditions require. (49 CFR 393.60, 393.78 and 393.79)</p> <p>e. Mirrors. Every vehicle must be equipped with two rear vision mirrors located so as to reflect to the driver a view of the highway to the rear along both sides of the vehicle. Mirrors shall not be cracked or dirty. (49 CFR 393.80)</p> <p>f. Warning Equipment. Equipment must include three bidirectional emergency reflective triangles that conform to the requirements of FMVSS No. 125. FLAME PRODUCING DEVICES ARE PROHIBITED. (49 CFR 393.95)</p> <p>g. Fire Extinguisher. Military vehicles must be equipped with two serviceable fire extinguishers with an Underwriters Laboratories rating of 10 BC or more. (Commercial motor vehicles must be equipped with one serviceable 10 BC Fire Extinguisher). Fire extinguisher(s) must be located so that it is readily accessible for use and securely mounted on the vehicle. The fire extinguisher must be designed, constructed and maintained to permit visual determination of whether it is fully charged. (49 CFR 393.95)</p> <p>h. Electrical Wiring: Electrical wiring must be clean and properly secured. Insulation must not be frayed, cracked or otherwise in poor condition. There shall be no uninsulated wires, improper splices or connections. Wires and electrical fixtures inside the cargo area must be protected from the lading. (49 CFR 393.28, 393.32, 393.33)</p>

Figure J-8. DD Form 626, Motor Vehicle Inspection (Transporting Hazardous Materials) (Cont'd)

INSTRUCTIONS

SECTION II (Continued)

i. Lights/Reflectors. (Head, tail, turn signal, brake, clearance, marker and identification lights, Emergency Flashers). Inspect to see that all lighting devices and reflectors required are operable, of proper color and properly mounted. Ensure that lights and reflectors are not obscured by dirt or grease or have broken lenses. High/Low beam switch must be operative. Emergency Flashers must be operative on both the front and rear of vehicle. (49 CFR 393.24, 25, and 26)

j. Fuel System. Inspect fuel tank and lines to ensure that they are in serviceable condition, free from leaks, or evidence of leakage and securely mounted. Ensure that fuel tank filler cap is not missing. Examine cap for defective gasket or plugged vent. Inspect filler necks to see that they are in completely serviceable condition and not leaking at joints. (49 CFR 393.83)

k. Exhaust System. Exhaust system shall discharge to the atmosphere at a location to the rear of the cab or if the exhaust projects above the cab, at a location near the rear of the cab. Exhaust system shall not be leaking at a point forward of or directly below the driver compartment. No part of the exhaust system shall be located where it will burn, char or damage electrical wiring, fuel system or any other part of the vehicle. No part of the exhaust system shall be temporarily repaired with wrap or patches. (49 CFR 393.83)

l. Brake System (to include hand brakes, parking brakes and Low Air Warning devices). Check to ensure that brakes are operational and properly adjusted. Check for audible air leaks around air brake components and air lines. Check for fluid leaks, cracked or damaged lines in hydraulic brake systems. Ensure that parking brake is operational and properly adjusted. Low Air Warning devices must be operative. (49 CFR 393.40, 41, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, and 55)

m. Suspension. Inspect for indications of misaligned, shifted or cracked springs, loosened shackles, missing bolts, spring hangers unsecured at frame and cracked or loose U-bolts. Inspect for any unsecured axle positioning parts, and sign of axle misalignment, broken torsion bar springs (if so equipped). (49 CFR 393.207)

n. Coupling Devices (Inspect without uncoupling). Fifth Wheels: Inspect for unsecured mounting to frame or any missing or damaged parts. Inspect for any visible space between upper and lower fifth wheel plates. Ensure that the locking jaws are around the shank and not the head of the kingpin. Ensure that the release lever is seated properly and safety latch is engaged. Pintle Hook, Drawbar, Towbar Eye and Tongue and Safety Devices: Inspect for unsecured mounting, cracks, missing or ineffective fasteners (welded repairs to pintle hook is prohibited). Ensure safety devices (chains, hooks, cables) are in serviceable condition and properly attached. (49 CFR 393.70 and 71)

o. Cargo Space. Inspect to ensure that cargo space is clean and free from exposed bolts, nuts, screws, nails or inwardly projecting parts that could damage the lading. Check floor to ensure it is tight and free from holes. Floor shall not be permeated with oil or other substances. (49 CFR 393.84)

p. Landing Gear. Inspect to ensure that landing gear and assembly are in serviceable condition, correctly assembled, adequately lubricated and properly mounted.

SECTION II (Continued)

q. Tires, Wheels and Rims: Inspect to ensure that tires are properly inflated. Flat or leaking tires are unacceptable. Inspect tires for cuts, bruises, breaks and blisters. Tires with cuts that extend into the cord body are unacceptable. Thread depth shall not be less than: 4/32 inches for tires on a steering axle of a power unit, and 2/32 inches for all other tires. Mixing bias and radial on the steering axle is prohibited. Inspect wheels and rims for cracks, unseated locking rings, broken, loose, damaged or missing lug nuts or elongated stud holes. (49 CFR 393.75)

r. Tailgate/Doors. Inspect to see that all hinges are tight in body. Check for broken latches and safety chains. Doors must close securely. (49 CFR 177.835(h))

s. Tarpaulin. If shipment is made on open equipment, ensure that lading is properly covered with fire and water resistant tarpaulin. (49 CFR 177.835(h))

t. Other Unsatisfactory Condition. Note any other condition which would prohibit the vehicle from being loaded with hazardous materials.

Item 14. For AA&E and other shipments requiring satellite surveillance, ensure that the Satellite Motor Surveillance System is operable. The DTTS Message Display Unit, when operative, will display the signal "DTTS ON". The munitions carrier driver, when practical, will position the DTTS message display unit in a manner that allows the shipping inspector or other designated shipping personnel to observe the "DTTS ON" message without climbing aboard the cab of the motor vehicle.

SECTION III - POST LOADING INSPECTION

General Instructions.

All Items will be checked prior to the release of loaded equipment. Shipment will not be released until deficiencies are corrected. All items will be checked on incoming loaded equipment. Deficiencies will be reported in accordance with applicable service regulations.

Item 18. Check to ensure shipment is loaded in accordance with 49 CFR Part 177.848 and the applicable Segregation or Compatibility Table of 49 CFR 177.848.

Item 19. Check to ensure the load is secured from movement in accordance with applicable service outload drawings.

Item 20. Check to ensure seal(s) have been applied to closed equipment; fire and water resistant tarpaulin applied on open equipment.

Item 21. Check to ensure each transport vehicle has been properly placarded in accordance with 49 CFR 172.504.

Item 22. Check to ensure operator has been provided shipping papers that comply with 49 CFR 172.201 and 202. For shipments transported by Government vehicle, shipping paper will be DD Form 836.

Item 23. Ensure operator(s) sign DD Form 626, are given a copy and understand the hazards associated with the shipment.

Item 24. Applies to Commercial Shipments Only. If shipment is made under DOT Special Permit 868, ensure that shipping papers are properly annotated and copy of Special Permit 868 is with shipping papers.

Figure J-8. DD Form 626, Motor Vehicle Inspection (Transporting Hazardous Materials) (Cont'd)

CONTAINER PACKING CERTIFICATE OR VEHICLE PACKING DECLARATION			
Person responsible for packing the cargo transport unit (vehicle/container) will complete the checklist. Cross out "vehicle" or "container", as applicable. After completion, sign the certificate.			
1. It is declared that the undersigned has visually inspected (Container/Vehicle) Number: _____ (cross out whichever item does <u>NOT</u> apply) and it has been loaded/packed in accordance with the provisions of 5.4.2.1 (IMDGC) and CFR 49 and that (indicate "N/A" for all items that do <u>NOT</u> apply):			
	a. The cargo transport unit (container/vehicle) was clean, dry, and apparently fit to receive the goods.		
	b. If the consignment includes goods of class 1, other than 1.4, the cargo transport unit (container/vehicle) is structurally serviceable in conformity with 7.4.6 (IMDGC).		
	c. Goods that should be segregated, have not been packed together onto or in the cargo transport unit (container/ vehicle) (unless approved by the competent authority concerned in accordance with 7.2.2.3 (IMDGC)).		
	d. All packages have been externally inspected for damage, leakage, or sifting, and only sound packages have been packed.		
	e. Drums have been stowed in an upright position, unless otherwise authorized by the competent authority.		
	f. All packages have been properly packed onto or in the cargo transport unit (container/vehicle) and secured.		
	g. When dangerous goods are transported in bulk packagings, the cargo has been evenly distributed.		
	h. The cargo transport unit (container/vehicle) and packagings therein are properly marked, labeled, and placarded.		
	i. When solid carbon dioxide (CO ² - dry ice) is used for cooling purposes, the cargo transport unit (container/vehicle) is externally marked or labeled in a conspicuous place, such as the door, and with the words: "DANGEROUS CO² - GAS (DRY ICE) INSIDE. VENTILATE THOROUGHLY BEFORE ENTERING" .		
	j. The dangerous goods transport document required in 5.4.1 (IMDGC) has been received for each dangerous goods consignment packed in the cargo transport unit (container/vehicle).		
	k. If container is stowed with a vehicle and/or mechanical equipment with fuel in the tank, a warning label has been affixed to access doors legibly reading: "WARNING - MAY CONTAIN EXPLOSIVE MIXTURES WITH AIR - KEEP IGNITION SOURCES AWAY WHEN OPENING" in accordance with §176.905(a)(5), 49 CFR.		
2. PERSON RESPONSIBLE FOR PACKING			
a. PRINTED NAME (<i>Last, First, Middle Initial</i>)		b. RANK/GRADE	c. TITLE
			d. ORGANIZATION
e. PLACE PACKED		f. SIGNATURE	
		g. DATE (YYYYMMDD)	

DD FORM 2781, JUN 2005

PREVIOUS EDITION IS OBSOLETE.

Figure J-9. DD Form 2781, Container Packing Certificate or Vehicle Packing Declaration

DOD MULTIMODAL DANGEROUS GOODS DECLARATION				
This form may be used as a dangerous goods declaration as it meets the requirements of SOLAS 74, Chapter VII, regulation 54; MARPOL 79/78, Annex III, Regulation 4.				
1. SHIPPER/CONSIGNOR/SENDER		2. TRANSPORT DOCUMENT NUMBER		3. PAGE 1 OF PAGES
5. FREIGHT FORWARDER'S REFERENCE		6. CONSIGNEE		7. CARRIER (To be completed by the carrier)
24-HOUR EMERGENCY ASSISTANCE TELEPHONE NUMBERS: <div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> DOD NON-EXPLOSIVE HAZMAT: 1-800-861-8061 AT SEA: COLLECT (804) 279-3131 </div> <div style="width: 20%;"> DOD HAZ CLASS 1 (EXPLOSIVES) ONLY: COLLECT (703) 697-0218/0219 </div> <div style="width: 20%;"> CHEMICAL/BIOLOGICAL WARFARE MATERIAL: (410) 436-3044/7211/6455 AFTER DUTY HOURS: (410) 436-2148 - Ask for TEU S3 </div> <div style="width: 20%;"> DOD SECURE HOLDING: 1-800-524-0331 OIL/CHEMICAL SPILLS: NRC & TERRORIST HOTLINE: 1-800-424-8802 AT SEA: COLLECT 202-267-2675 </div> <div style="width: 20%;"> DOD RADIOACTIVE MATERIALS: COLLECT ARMY: (703) 697-0218 USAF: (202) 767-4011 DLA: 1-800-861-8061 AT SEA: COLLECT 1-804-279-3131 USN/MC: Use 24-hour emergency response number provided by activity. </div> </div>				
8. THIS SHIPMENT IS WITHIN THE LIMITATIONS PRESCRIBED FOR: (X as applicable)			9. CONTAINER PACKING CERTIFICATE OR VEHICLE PACKING DECLARATION, DD FORM 2781, IS ATTACHED (X if applicable)	
<input type="checkbox"/> MILITARY VESSEL <input type="checkbox"/> COMMERCIAL VESSEL <input type="checkbox"/> HIGHWAY/RAIL				
10. VOYAGE DOCUMENT NUMBER AND SAILING DATE (To be completed by the carrier)		11. PORT/PLACE OF LOADING		
12. PORT/PLACE OF DISCHARGE		13. DESTINATION		
14. SHIPPING MARKS	DESCRIPTION OF GOODS (UN No., PSN, HC, SHC, PG, number and kind of package, and additional information as required by regulation)			NET MASS/QTY (kg/l) GROSS MASS (kg)
15. CONTAINER IDENTIFICATION NO./ VEHICLE REGISTRATION NO.	16. SEAL NUMBER(S)	17. CONTAINER/VEHICLE AND TYPE		18. TARE MASS (kg)
19. ADDITIONAL HANDLING INFORMATION				
20. RECEIVING ORGANIZATION RECEIPT Received the above number of packages/containers/trailers in apparent good order and condition, unless stated hereon:				
a. RECEIVING ORGANIZATION REMARKS				
b. HAULER'S NAME		c. VEHICLE REGISTRATION NO.	d. SIGNATURE AND DATE	e. DRIVER'S SIGNATURE
21. SHIPPER PREPARING THIS FORM				
SHIPPER'S DECLARATION. I hereby declare that the contents of this consignment are fully and accurately described above by the Proper Shipping Name, and are classified, packaged, marked, and labeled/placarded and are in all respects in proper condition for transport according to the international and national government regulations.				
a. NAME OF COMPANY/MILITARY UNIT		b. NAME/STATUS OF DECLARANT/CERTIFIER		
c. PLACE AND DATE		d. SIGNATURE OF DECLARANT/CERTIFIER		

DD FORM 2890, OCT 2006

PREVIOUS EDITION IS OBSOLETE.

FormFlow/Adobe Professional 7.0

Figure J-10. DD Form 2890, DOD Multimodal Dangerous Goods Declaration

INSTRUCTIONS FOR COMPLETING DD FORM 2890, DOD MULTIMODAL DANGEROUS GOODS DECLARATION	
<p>Item 1. Shipper/Consignor/Sender. Enter the address and telephone number where the HAZMAT was certified.</p> <p>Item 2. Transport Document Number (Ocean container shipments only). The vessel manifest number to which the Multimodal Dangerous Goods Declaration will be attached may be entered in this block. The shipper need not enter this number. The accepting operator may enter it at the time it is assigned. Leave blank for breakbulk shipments. Shipper enters container "V" number.</p> <p>Item 3. Page ___ of ___ Pages. Enter the page number and total number of pages. Example: Page 1 of 1.</p> <p>Item 4. Shipper's Content Reference Number (TCN). Enter the 17- character TCN.</p> <p>Item 5. Freight Forwarder's Reference. Leave blank.</p> <p>Item 6. Consignee. Enter the six-digit DODAAC and/or the in-the-clear geographical location of the ultimate consignee (if known). For shipments of infectious substances, enter also the full address, name and telephone number of a responsible person for contact in an emergency.</p> <p>Item 7. Carrier. Enter Vessel Carrier Name. To be completed by the carrier.</p> <p>24 Hour Assistance Telephone Number(s). Circle applicable emergency number(s).</p> <p>Item 8. Shipment Within the Limitations Prescribed for Military Vessel/Commercial Vessel/Highway/Rail. Mark X in the appropriate block.</p> <p>Item 9. Container Certification/Vehicle Declaration. Declarant must mark X if applicable. U.S. Coast Guard or port officials may require verification of the container certification/vehicle declaration. DD Form 2781 is a detailed checklist which meets USCG/Customs requirements. DD Form 2781 must be signed and attached to DD Form 2890.</p> <p>Item 10. Voyage Document Number and Sailing Date (To be completed by the carrier). Enter the voyage document number and the date of sail.</p> <p>Item 11. Port/Place of Loading. Enter the three-digit POE code and/or the in-the-clear geographical location of the port of embarkation.</p> <p>Item 12. Port/Place of Discharge. Enter the three-digit POD code and/or the in-the-clear geographical location of the port of debarkation.</p> <p>Item 13. Destination (in the clear). Enter destination address.</p> <p>Item 14. Shipping Marks.</p> <ol style="list-style-type: none"> 1. Enter the UN Number preceded by the letters "UN". 2. Enter the Proper Shipping Name. 3. Enter the primary hazard class and division number. For Class 1 material include the compatibility group letter. Any assigned subsidiary hazard class or division will be entered following the primary class in parenthesis. 4. Enter the Packing Group when assigned. 5. Enter additional information from the IMDG, Chapter 5.4, as required (i.e. Marine Pollutant, Flashpoint, Toxic Inhalation Hazard, RQ, etc.). 6. Enter the number and kind of packaging. 	<p>Item 14. Shipping Marks (Continued).</p> <p>7. Enter the total quantity of dangerous goods of each item of HAZMAT bearing a different Proper Shipping Name, UN Number or Packing Group. For Class 1 material this quantity will be the net explosive mass/ weight (NEW) (number of rounds shipped X NEW per round = net mass/weight/qty). Gross mass/weight is the total weight of the shipment including packaging and related items, e.g., dunnage. Net mass is expressed in kilograms or liters, and gross mass in kilograms.</p> <p>8. Enter the gross weight of the shipment for each item of HAZMAT bearing a different Proper Shipping Name, UN Number or Packing Group.</p> <p>Item 15. Container ID Number/Vehicle Registration Number. Enter ID number of the container or vehicle registration number. A dash (-) or blank space is acceptable before the check digit.</p> <p>Item 16. Seal Number(s). Enter seal number installed on container.</p> <p>Item 17. Container/Vehicle and Type. Enter type and size of container (20 or 40 ft.) or vehicle description (e.g., HUMVEE).</p> <p>Item 18. Tare Mass (kg). Enter tare weight of the container.</p> <p>Item 19. Additional Handling Information. Optional.</p> <p>If applicable, provide additional handling instructions.</p> <p>Enter the Emergency Response Guide (ERG) Number(s) of the HAZMAT and attach the specific ERG page to DD Form 2890.</p> <p>If applicable, drivers transporting regulated HAZMAT on European highways must be provided Transport Emergency Cards (TREMCAARDS) in the host nation language which must be attached to the shipping papers.</p> <p>Item 20. Receiving Organization Receipt. Leave blank as this will be filled out by the receiving organization. Signing this block states that the shipment is in good order, unless otherwise noted.</p> <p>Item 21. Shipper Preparing This Form.</p> <ol style="list-style-type: none"> a. Name of Company/Military Unit. Enter the name of company. b. Name/Status of Declarant/Certifier. Enter the name and status of the person signing the form. c. Place and Date. Enter the place and date the material was certified. d. Signature of Declarant/Certifier. The person who certifies on behalf of DOD that the shipment complies with the applicable regulatory requirements must sign the form.

DD FORM 2890, OCT 2006

Figure J-10. DD Form 2890, DOD Multimodal Dangerous Goods Declaration (Cont'd)

DANGEROUS CARGO LOAD LIST (Prescribed by DoD Reg. 4500.9-R)				1. EMERGENCY RESPONSE NUMBERS: DLA - GEN HAZMAT 1-800-851-8061 AOC - AMMO/EXPLOSIVES (703)697-0218/0219				2. PAGE OF PAGES	
3. FROM			b. AGENCY ADDRESS (Include ZIP Code)		4. VESSEL				
a. AGENCY NAME					a. NAME		b. NUMBER	c. REGISTRY	s. IRCS
5. VOYAGE NUMBER	6. VAN NUMBER	7. TOTAL NET EXPLOSIVE WEIGHT: KGS (Lbs)		8. PORT OF ENTRY		9. PORT OF DESTINATION		10. PREPARED IN ACCORDANCE WITH	
								<input type="checkbox"/> 49 CFR	<input type="checkbox"/> IMDGC
11. TRANSPORTATION CONTROL NUMBER	12. STOW LOCATION	13. PROPER SHIPPING NAME (RQ, Waste, Marine Pollutant if applicable)	14. HAZARD CLASS	15. UN NBR	16. PKG GROUP	17. TYPE PACK	18. PIECES	19. WEIGHT: KGS (Lbs)	20. CUBE: M(3) (Ft(3))
			21. NET EXPL. WT.: KGS (Lbs)	22. REMARKS (Flash Point, Ex No., Dangerous When Wet, Poison Inhalation Hazard)					
a.	a.	a.	14a.	15a.	16a.	17a.	18a.	19a.	20a.
			21a.	22a. REMARKS					
b.	b.	b.	14b.	15b.	16b.	17b.	18b.	19b.	20b.
			21b.	22b. REMARKS					
c.	c.	c.	14c.	15c.	16c.	17c.	18c.	19c.	20c.
			21c.	22c. REMARKS					
d.	d.	d.	14d.	15d.	16d.	17d.	18d.	19d.	20d.
			21d.	22d. REMARKS					
23. I hereby declare the contents of this consignment are fully and accurately described above by proper shipping name, are classified, packed, marked/labeled, and are in all respects in proper condition for transport by water according to applicable international and national government regulations.									
a. TYPED NAME (Last, First, Middle Initial)			b. TITLE			c. SIGNATURE		d. DATE (YYYYMMDD)	
e. REMARKS									
24. This is to certify that the cargo inside this unit (Vehicle or Container) _____ / has been properly packed and secured, and that all applicable transport requirements have been met in accordance with the provisions of 12.3.7 (Container) or 17.7.7 (Vehicle), as applicable, of the General Introduction to the IMDG Code.									
a. TYPED NAME (Last, First, Middle Initial)			b. TITLE			c. SIGNATURE		d. DATE (YYYYMMDD)	
e. REMARKS									

DD FORM 2776, SEP 1998 (EG)

REPLACES MT FORM 225-R, MAR 94, WHICH IS OBSOLETE.

Designed using Perform Pro, WHS/DIOR, Sep 98

Figure J-11. DD Form 2776, Dangerous Cargo Load List

Table J-1. Instructions for Completing Shipper's Declaration for Dangerous Goods

BLOCK	INSTRUCTION
Key 1. Shipper.	Enter the address and telephone number where the HAZMAT was certified.
Key 2. Consignee.	Enter the six-digit Department of Defense Activity Address Code and/or the in-the-clear geographical location of the ultimate consignee. For shipments of infectious substances, enter also the name and telephone number of a responsible person for contact in an emergency. If the destination is classified, enter "Worldwide Mobility".
Key 3. Air Waybill No.	The aircraft manifest number to which the Shipper's Declaration for Dangerous Goods form will be attached may be entered in this key. The shipper need not enter this number. The accepting operator may enter it at the time it is assigned. This key may also be left blank.
Key 4. Page...of...Pages.	Enter the page number and total number of pages of the Shipper's Declaration for Dangerous Goods form. Enter "Page 1 of 1 Pages" or leave blank if there are no extension pages.
Key 5. Shipper's Reference Number.	Enter the 17-character Transportation Control Number (TCN).
Key 6.	Enter "Inspected by (followed by name of inspector, location, and date)" according to Para A28.1.2, AFMAN 24-204(I), TM 38-250, MCO P4030.19I, NAVSUP Pub 505, DLA 4145.3, and DCMAD 1, CH 3.4 (HM24). Shipper unit cargo identification information may also be entered.
Key 7. Shipment Within Passenger Aircraft and Cargo Aircraft Limitations.	If the shipment is acceptable for movement on both passenger and cargo aircraft, delete "Cargo Aircraft Only." If the shipment is allowed on cargo aircraft only, delete "Passenger and Cargo Aircraft."
Key 8. Airport of Departure.	Enter the three-digit Port of Embarkation (POE) and/or the in-the-clear geographical location of the airport of departure.
Key 9. Airport of Destination.	Enter the three-digit Port of Debarkation (POD) and/or the in-the-clear geographical location of the airport of destination. If the destination is classified, enter "Worldwide Mobility".
Key 10. Shipment Type.	<ul style="list-style-type: none"> • Delete "Radioactive" if the shipment contains no radioactive material. • Delete "Non-radioactive" if the shipment contains radioactive material.
Key 11. UN or ID No.	<ul style="list-style-type: none"> • Enter UN number or ID number preceded by the prefix "UN" or "ID".
Key 12. Proper Shipping Name (PSN).	<p>Enter the PSN. Enter the following information in association with the basic description:</p> <ul style="list-style-type: none"> • Technical name, in parentheses. • The letters "RQ" preceding the PSN for a hazardous substance. • For materials that are toxic (poisonous) by inhalation, enter the words "TOXIC-INHALATION HAZARD" and "ZONE A", "ZONE B", "ZONE C", or "ZONE D" for gases, or "ZONE A" or "ZONE B" for liquids. The word "TOXIC" need not be repeated if it is already identified in the PSN. Enter "INHALATION HAZARD" and the zone. • The word "Waste" preceding the PSN for a HAZMAT that is a hazardous waste.
Key 12. Class and Division.	<p>Enter the hazard class and division number.</p> <ul style="list-style-type: none"> • For Class 1 material, include the compatibility group letter. • For Class 1 material, enter either the Inhabited Building Distance (IBD) or Subdivision if assigned in the DOD Joint Hazard Classification System or classification approval document (i.e., "IBD: (18)" or "Subdivision: 1.2.1"). • For a single item with more than one hazard, enter the hazard class number of the item's primary hazard.
Key 13. UN, NA, or ID No.	Enter the United Nations (UN), North American (NA), or Identification Number (ID). Include the UN, NA, or ID prefix and the number.
Key 14. Packing Group.	Enter the application Packing Group.
Key 15. Subsidiary Risk.	Enter the subsidiary risk.

BLOCK	INSTRUCTION
Key 16. Quantity and Type of Packing.	<p>Non-radioactive shipments enter:</p> <ul style="list-style-type: none"> • The number of packages (of same type and content) and their type of packaging. • Type of packaging listed in this key is the authorized packaging identified in the packaging para. Identify the type of packaging by specification code or text description of the outer packaging (e.g., fiberboard box or 4G; metal drum or 1A2; DOT 3A or cylinder). • For specifically named self-propelled vehicle and mechanical apparatus, enter nomenclature or basic description of the item (i.e., truck, generator). • The weight, volume, or other measure of the actual hazardous material (per package). • Do not include any nonhazardous content of the shipment. • Enter the net quantity in metric measurement units. The equivalent English unit of measure may be entered in parenthesis immediately following the metric unit. • Show the quantity immediately following the number and type of package, i.e., 2 wooden boxes x 4.5 kg (10 pounds); 1 4G x 5 L (1.3 gallons). • For explosives enter the "Net Explosive Weight (NEW)" in metric weight per package or per warehouse pallet or skid (i.e., 3 wooden boxes x 120 kg [264.6 pounds] NEW; 5 metal boxes x 200 kg[441 pounds] NEW). Entry of pounds in association with metric weight is preferred but not required. • Express in kilograms (pounds), not pounds per square inch, the quantity of compressed gas unless otherwise specified in this instruction. When certifying other units of measure (i.e., fluid ounces, gallons, or ounces), show them on this form. • When an overpack is used for handling purposes, enter the words "Overpack Used". Identify the number of overpacks if more than one is used. • For magnetized material, enter the number and type of packaging. No entry for net quantity is required. Weight or size of container is optional. <p>Radioactive shipments enter:</p> <ul style="list-style-type: none"> • Name or symbol of the radionuclide in the material. • Description of the physical and chemical form of the material, if it is not in special form (generic chemical description is acceptable for chemical form). If special form, enter "Special Form." • The number of packages (of same type and content), the type of package, and the activity contained in each package in terms of Becquerel or Terabecquerel. The equivalent customary unit of measure (i.e., Ci, mCi, or uCi) may be included in parenthesis.
Key 17. Packaging Instructions.	<p>Non-radioactive shipments enter:</p> <ul style="list-style-type: none"> • The packaging para used to prepare the material for shipment. • If the packaging has been approved by a DOT-Exemption, CAA, COE, or waiver, cite the approval number (i.e., AFMC 24-204-96-09; COE NA-84-505; or DOT-E 3849).
	<ul style="list-style-type: none"> • If a UN packaging specification certified package is overpacked to meet air eligibility requirements, cite the packaging para for the material when packing inner containers into a 1A2 drum to meet air eligible and UN specification configuration requirements. <p>Radioactive shipments enter:</p> <ul style="list-style-type: none"> • Packaging para used to prepare the material for shipment. • Category of the package (i.e., "white-I," "yellow-II," or "yellow-III"). • The transport index, preceded by the prefix "Ti", assigned each package having a "Radioactive Yellow-II" or "Radioactive Yellow-III" label and dimensions of each package (including dimensional units). • The fissile class. If the package is exempt, enter the words "Fissile Exempt." •

BLOCK	INSTRUCTION
Key 18. Authorization.	<p>Non-radioactive shipments enter:</p> <ul style="list-style-type: none"> • Enter the words “Limited Quantity” or “LTD. QTY.” <p>Radioactive shipments enter:</p> <p>Approval Identification Markings. List the package identification markings of any of the documents listed below issued by a competent authority. Include the words “attached” to indicate that the documents are attached to the declaration form.</p> <ul style="list-style-type: none"> • Special form approval certificate. • Type B package design approval certificate. • Type B(M) package shipment approval certificate. • Fissile material package design approval certificate. • Fissile material package shipment approval certificate. • Special arrangement approval certificate. • Any similar documents.
Key 19. Additional Handling Information.	<p>Enter:</p> <ul style="list-style-type: none"> • The PSN, hazard class, and net quantity of each secondary hazard for items with multiple hazards. • Handling instructions, when specified by a packaging para. Only enter if the handling instruction applies to the material being shipped. • The name and quantity of non-hazardous fuel contained in tanks of vehicles or equipment. Include statement “non-hazardous battery installed.” • The number, type of container, and quantity of fuel per container when transported in permanently configured and approved holders on vehicles or equipment (i.e., 4 jerry cans X 11 liters). • The 24-hour Emergency Response number for the hazardous material listed on the Shipper’s Declaration for Dangerous Goods form. Enter the words “EMERGENCY CONTACT:” followed by the number. • The control and emergency temperatures for temperature controlled Class 5.2 materials.
Key 20. Name/Title of Signatory.	Enter the name and title of the official signing the form.
Key 21. Place and Date.	Enter the place and date the material was certified (i.e., Hill AFB, 1 Dec 07).
Key 22. Signature.	The official who certifies that the shipment complies with the requirements of this instruction must sign the form in longhand.

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